

INVENTOR: MILMAN ISAAC; VEINBERG ALEXANDER; ATLAS DAPHNE; MELAMED ELDAD
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA; YISSUM RES DEV CO
APPLICATION (Number; Kind; Date): Australia (AU) 199352577; A; December 21, 1993
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C94-249594; C97-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Australia (AU) 5,257,793; A1; July 07, 1994

TITLE: COMPOSITIONS OF L-DOPA ESTERS
INVENTOR: MILMAN ISAAC; VEINBERG ALEXANDER; ATLAS DAPHNE; MELAMED ELDAD
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA; YISSUM RES DEV CO
APPLICATION (Number; Kind; Date): Australia (AU) 199352577; A; December 21, 1993
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

CANADA (CA)

PATENT (Number; Kind; Date): Canada (CA) 2,112,160; AA; June 25, 1994

TITLE: COMPOSITIONS OF L-DOPA ESTERS
INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Canada (CA) 1993211216; A; December 22, 1993
INT-CL: A61K31/215 (Section A, Class 61, Sub-class K, Group 31, Sub-group 215)
LANGUAGE: English

PEOPLE'S REPUBLIC OF CHINA (CN)

PATENT (Number; Kind; Date): People's Republic of China (CN) 1,094,950; A; November 16, 1994

TITLE: COMPOSITIONS OF L-DOPA ESTERS
INVENTOR: MILAN ISSAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMACEUTICAL IND LT, Israel (IL)
APPLICATION (Number; Kind; Date): People's Republic of China (CN) 199393119969; A; December 23, 1993
INT-CL: A61K31/24 (Section A, Class 61, Sub-class K, Group 31, Sub-group 24)
DERWENT NUMBER: C94-249594
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q

PATENT (Number; Kind; Date): People's Republic of China (CN) 1,083,262; B; April 24, 2002

PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
APPLICATION (Number; Kind; Date): People's Republic of China (CN) 199393119969; A; December 23, 1993

INT-CL: A61K31/24 (Section A, Class 61, Sub-class K, Group 31, Sub-group 24)
DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

GERMANY (DE)

PATENT (Number; Kind; Date): Germany (DE) 69,324,466; C0; May 20, 1999

TITLE: L-DOPA ESTER-ENTHALTENDE ZUSAMMENSETZUNG
INVENTOR: MILMAN ISAAC, Iceland (IS); VEINBERG ALEXANDER, Iceland (IS); ATLAS DAPHNE, Iceland (IS); MELAMED ELDAD, Iceland (IS)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Germany (DE) 199369324466; A; December 24, 1993
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C94-249594; C97-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Germany (DE) 69,324,466; T2; November 25, 1999

TITLE: L-DOPA ESTER-ENTHALTENDE ZUSAMMENSETZUNG
INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Germany (DE) 199369324466; A; December 24, 1993
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Germany (DE) 69,329,400; C0; October 12, 2000

TITLE: L-DOPA ESTER ENTHALTENDE ZUSAMMENSETZUNG
INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Germany (DE) 1993693294; A; December 24, 1993
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Germany (DE) 69,329,400; T2; January 18, 2001

TITLE: L-DOPA ESTER ENTHALTENDE ZUSAMMENSETZUNG
INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Germany (DE) 1993693294; A; December 24, 1993
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

GERMANY (DE)

Legal Status (Number; Type; Date; Code; Text):

DE 69,324,466; P; May 20, 1999; REF; DEREFP; European Patent Office (EP) 610595 May 20, 1999; P

DE 69,324,466; P; November 25, 1999; 8373; TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED

DE 69,324,466; P; May 11, 2000; 8364; +(Positive Treatment) NO OPPOSITION DURING TERM OF OPPOSITION

DE 69,329,400; P; October 12, 2000; REF; DEREFP; European Patent Office (EP) 867179 October 12, 2000; P

DE 69,329,400; P; January 18, 2001; 8373; TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN PUBLISHED

DE 69,329,400; P; September 27, 2001; 8364; +(Positive Treatment) NO OPPOSITION DURING TERM OF OPPOSITION

DENMARK (DK)

PATENT (Number; Kind; Date): Denmark (DK) 610,595; T3; October 25, 1999

TITLE: SAMMENSAETNING AF L-DOPA-ESTERE

INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): Denmark (DK) 199393120894; A; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Denmark (DK) 867,179; T3; November 06, 2000

TITLE: SAMMENSAETNING AF L-DOPA-ESTERE

INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

Denmark (DK) 1993-93120894; L; December 24, 1993

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): Denmark (DK) 199898101741; A; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

EUROPEAN PATENT OFFICE (EP)

PATENT (Number; Kind; Date): European Patent Office (EP) 610,595; A2; August 17, 1994

TITLE: COMPOSITION OF L-DOPA ESTERS.

INVENTOR: MILMAN ISAAC, Iceland (IS); VEINBERG ALEXANDER, Iceland (IS); ATLAS DAPHNE, Iceland (IS); MELAMED ELDAD, Iceland (IS)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): European Patent Office (EP) 199393120894; A; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

EURO-CL: A61K31/195

DESIGNATED COUNTRIES: Austria (AT); Belgium (BE); Switzerland (CH); Germany (DE); Denmark (DK); Spain (ES); France (FR); United Kingdom (GB); Greece (GR); Ireland (IE); Italy (IT); Liechtenstein (LI); Luxembourg (LU); Monaco (MC); Netherlands (NL); Portugal (PT); Sweden (SE)

LANGUAGE: English

PATENT (Number; Kind; Date): European Patent Office (EP) 610,595; A3; September 21, 1994

INVENTOR: MILMAN ISAAC, Iceland (IS); VEINBERG ALEXANDER, Iceland (IS); ATLAS DAPHNE, Iceland (IS); MELAMED ELDAD, Iceland (IS)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, United States of America (US); YISSUM RES DEV CO, United States of America (US)

APPLICATION (Number; Kind; Date): European Patent Office (EP) 199393120894; A; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

EURO-CL: A61K31/195; A61K31/215+M

DESIGNATED COUNTRIES: Austria (AT); Belgium (BE); Switzerland (CH); Germany (DE); Denmark (DK); Spain (ES); France (FR); United Kingdom (GB); Greece (GR); Ireland (IE); Italy (IT); Liechtenstein (LI); Luxembourg (LU); Monaco (MC); Netherlands (NL); Portugal (PT); Sweden (SE)

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): European Patent Office (EP) 610,595; B1; April 14, 1999

TITLE: COMPOSITION OF L-DOPA ESTERS

INVENTOR: MILMAN ISAAC, Iceland (IS); VEINBERG ALEXANDER, Iceland (IS); ATLAS DAPHNE, Iceland (IS); MELAMED ELDAD, Iceland (IS)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): European Patent Office (EP) 199393120894; A; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

EURO-CL: A61K31/195; A61K31/215+M

DESIGNATED COUNTRIES: Austria (AT); Belgium (BE); Switzerland (CH); Germany (DE); Denmark (DK); Spain (ES); France (FR); United Kingdom (GB); Greece (GR); Ireland (IE); Italy (IT); Liechtenstein (LI); Luxembourg (LU); Monaco (MC); Netherlands (NL); Portugal (PT); Sweden (SE)

LANGUAGE: English

DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): European Patent Office (EP) 867,179; B1; September 06, 2000

TITLE: COMPOSITION OF L-DOPA ESTERS

INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

European Patent Office (EP) 1993-93120894; A3; December 24, 1993

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): European Patent Office (EP) 199898101741; A; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

EURO-CL: A61K31/215+M; A61K31/215L15

DESIGNATED COUNTRIES: Austria (AT); Belgium (BE); Switzerland (CH); Germany (DE); Denmark (DK); Spain (ES); France (FR); United Kingdom (GB); Greece (GR); Ireland (IE); Italy (IT); Liechtenstein (LI); Luxembourg (LU); Monaco (MC); Netherlands (NL); Portugal (PT); Sweden (SE)

LANGUAGE: English

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): European Patent Office (EP) 867,179; A1; September 30, 1998

TITLE: COMPOSITION OF L-DOPA ESTERS

INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

European Patent Office (EP) 1993-93120894; A3; December 24, 1993

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): European Patent Office (EP) 199898101741; A; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DESIGNATED COUNTRIES: Austria (AT); Belgium (BE); Switzerland (CH); Germany (DE); Denmark (DK); Spain (ES); France (FR); United Kingdom (GB); Greece (GR); Ireland (IE); Italy (IT); Liechtenstein (LI); Luxembourg (LU); Monaco (MC); Netherlands (NL); Portugal (PT); Sweden (SE)

LANGUAGE: English

DERWENT NUMBER: C94-249594; C97-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

EUROPEAN PATENT OFFICE (EP)

Legal Status (Number; Type; Date; Code; Text):

EP 610,595; P; December 24, 1992; AA; PRIORITY (PATENT APPLICATION); United States of America (US) 1992995847 December 24, 1992; A

EP 610,595; P; December 24, 1993; AE; EP-APPLICATION; European Patent Office (EP) 199393120894 December 24, 1993; A

EP 610,595; P; August 17, 1994; AK; +(Positive Treatment) DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT;; AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE ; A2

EP 610,595; P; August 17, 1994; A2; +(Positive Treatment) PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

EP 610,595; P; September 21, 1994; AK; +(Positive Treatment) DESIGNATED CONTRACTING STATES IN A SEARCH REPORT;; AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE ; A3

EP 610,595; P; September 21, 1994; A3; +(Positive Treatment) SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

EP 610,595; P; September 28, 1994; RIN1; INVENTOR (CORRECTION); MILMAN, ISAAC * VEINBERG, ALEXANDER * ATLAS, DAPHNE * MELAMED, ELDAD

EP 610,595; P; January 04, 1995; 17P; +(Positive Treatment) REQUEST FOR EXAMINATION FILED; 941109

EP 610,595; P; September 13, 1995; 17Q; +(Positive Treatment) FIRST EXAMINATION REPORT; 950727

EP 610,595; P; September 30, 1998; AH; DIVISIONAL APPLICATION (ART. 76) IN;; European Patent Office (EP) 867179; P

EP 610,595; P; December 24, 1992; AA; PRIORITY (PATENT APPLICATION); United States of America (US) 1992995847 December 24, 1992; A

EP 610,595; P; December 24, 1993; AE; EP-APPLICATION; European Patent Office (EP) 199393120894 December 24, 1993; A

EP 610,595; P; August 17, 1994; AK; +(Positive Treatment) DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT;; AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE ; A2

EP 610,595; P; August 17, 1994; A2; +(Positive Treatment) PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

EP 610,595; P; September 21, 1994; AK; +(Positive Treatment) DESIGNATED CONTRACTING STATES IN A SEARCH REPORT;; AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE ; A3

EP 610,595; P; September 21, 1994; A3; +(Positive Treatment) SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

EP 610,595; P; April 14, 1999; AK; +(Positive Treatment) DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION;; AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE ; B1

EP 610,595; P; April 14, 1999; B1; +(Positive Treatment) PATENT SPECIFICATION

EP 610,595; P; July 30, 1999; REG; REFERENCE TO A NATIONAL CODE; CHNV E. BLUM & CO. PATENTANWAELTE ; Switzerland (CH)

EP 610,595; P; August 16, 1999; REG; REFERENCE TO A NATIONAL CODE;

ESFG2A2132170T3 ; Spain (ES)

EP 610,595; P; April 15, 1999; REG; REFERENCE TO A NATIONAL CODE; CHEP; Switzerland (CH)

EP 610,595; P; April 14, 1999; REF; +(Positive Treatment) IN AUSTRIA REGISTERED AS;; Austria (AT) 178793 April 15, 1999; R

EP 610,595; P; May 05, 1999; REG; REFERENCE TO A NATIONAL CODE; IEFG4D; Ireland (IE)

EP 610,595; P; May 20, 1999; REF; CORRESPONDS TO;; Germany (DE) 69324466 May 20, 1999; P

EP 610,595; P; June 16, 1999; RIN2; INVENTOR (CORRECTION); MILMAN, ISAAC * VEINBERG, ALEXANDER * ATLAS, DAPHNE * MELAMED, ELDAD

EP 610,595; P; September 15, 1999; K2C1; CORRECTION OF PATENT SPECIFICATION (TITLE PAGE) PUBLISHED; 19990414

EP 610,595; P; August 06, 1999; ET; +(Positive Treatment) FR: TRANSLATION FILED

EP 610,595; P; April 05, 2000; 26N; +(Positive Treatment) NO OPPOSITION FILED

EP 610,595; P; September 06, 2000; AH; DIVISIONAL APPLICATION (ART. 76) IN;; European Patent Office (EP) 867179; P

EP 610,595; P; October 25, 1999; REG; REFERENCE TO A NATIONAL CODE; DKT3 ; Denmark (DK)

EP 610,595; P; January 01, 2002; REG; REFERENCE TO A NATIONAL CODE; GBIF02; United Kingdom (GB)

EP 867,179; P; December 24, 1992; AA; PRIORITY (PATENT APPLICATION); United States of America (US) 1992995847 December 24, 1992; A

EP 867,179; P; December 24, 1993; AA; DIVIDED OUT OF; European Patent Office (EP) 199393120894 December 24, 1993; A3

EP 867,179; P; December 24, 1993; AE; EP-APPLICATION; European Patent Office (EP) 199898101741 December 24, 1993; A

EP 867,179; P; September 30, 1998; AC; DIVISIONAL APPLICATION (ART. 76) OF;; European Patent Office (EP) 610595; P

EP 867,179; P; September 30, 1998; AK; +(Positive Treatment) DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT;; AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE ; A1

EP 867,179; P; September 30, 1998; A1; +(Positive Treatment) PUBLICATION OF APPLICATION WITH SEARCH REPORT

EP 867,179; P; December 24, 1992; AA; PRIORITY (PATENT APPLICATION); United States of America (US) 1992995847 December 24, 1992; A

EP 867,179; P; December 24, 1993; AA; DIVIDED OUT OF; European Patent Office (EP)

199393120894 December 24, 1993; A3

EP 867,179; P; December 24, 1993; AE; EP-APPLICATION; European Patent Office (EP)
199898101741 December 24, 1993; A

EP 867,179; P; September 30, 1998; AK; +(Positive Treatment) DESIGNATED
CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT;; AT BE CH DE DK ES FR
GB GR IE IT LI LU MC NL PT SE ; A1

EP 867,179; P; September 30, 1998; A1; +(Positive Treatment) PUBLICATION OF
APPLICATION WITH SEARCH REPORT

EP 867,179; P; May 26, 1999; 17P; +(Positive Treatment) REQUEST FOR EXAMINATION
FILED; 19990325

EP 867,179; P; October 27, 1999; 17Q; +(Positive Treatment) FIRST EXAMINATION
REPORT; 19990908

EP 867,179; P; September 06, 2000; AC; DIVISIONAL APPLICATION (ART. 76) OF;;
European Patent Office (EP) 610595; P

EP 867,179; P; September 06, 2000; AK; +(Positive Treatment) DESIGNATED
CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION;; AT BE CH DE DK ES FR
GB GR IE IT LI LU MC NL PT SE ; B1

EP 867,179; P; September 06, 2000; B1; +(Positive Treatment) PATENT SPECIFICATION

EP 867,179; P; September 06, 2000; REF; +(Positive Treatment) IN AUSTRIA REGISTERED
AS;; Austria (AT) 196081 September 15, 2000; R

EP 867,179; P; September 15, 2000; REG; REFERENCE TO A NATIONAL CODE; CHEP ;
Switzerland (CH)

EP 867,179; P; September 29, 2000; REG; REFERENCE TO A NATIONAL CODE; CHNV E.
BLUM & CO. PATENTANWAELTE ; Switzerland (CH)

EP 867,179; P; October 12, 2000; REF; CORRESPONDS TO;; Germany (DE) 69329400
October 12, 2000; P

EP 867,179; P; November 16, 2000; REG; REFERENCE TO A NATIONAL CODE;
ESFG2A2150294T3 ; Spain (ES)

EP 867,179; P; October 18, 2000; REG; REFERENCE TO A NATIONAL CODE; IEFG4D; Ireland
(IE)

EP 867,179; P; November 06, 2000; REG; REFERENCE TO A NATIONAL CODE; DKT3 ;
Denmark (DK)

EP 867,179; P; December 29, 2000; REG; REFERENCE TO A NATIONAL CODE;
PTSC4A20001004 AVAILABILITY OF NATIONAL TRANSLATION ; Portugal (PT)

EP 867,179; P; January 05, 2001; ET; +(Positive Treatment) FR: TRANSLATION FILED

EP 867,179; P; December 01, 2000; ITF; +(Positive Treatment) IT: TRANSLATION FOR A EP
PATENT FILED; MODIANO & ASSOCIATI S.R.L.

EP 867,179; P; August 22, 2001; 26N; +(Positive Treatment) NO OPPOSITION FILED

EP 867,179; P; January 01, 2002; REG; REFERENCE TO A NATIONAL CODE; GBIF02; United Kingdom (GB)

SPAIN (ES)

PATENT (Number; Kind; Date): Spain (ES) 2,132,170; T3; August 16, 1999

TITLE: COMPOSICION DE ESTERES DE L-DOPA.

INVENTOR: MILMAN ISAAC, Iceland (IS); VEINBERG ALEXANDER, Iceland (IS); ATLAS DAPHNE, Iceland (IS); MELAMED ELDAD, Iceland (IS)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA; YISSUM RES DEV CO

APPLICATION (Number; Kind; Date): Spain (ES) 199393120894; EP; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DERWENT NUMBER: C94-249594; C97-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Spain (ES) 2,150,294; T3; November 16, 2000

TITLE: COMPOSICION DE ESTERES DE L-DOPA.

INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA; YISSUM RES DEV CO

APPLICATION (Number; Kind; Date): Spain (ES) 199898101741; EP; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

SPAIN (ES)

Legal Status (Number; Type; Date; Code; Text):

ES 2,132,170; P; August 16, 1999; FG2A; DEFINITIVE PROTECTION; 610595

ES 2,150,294; P; November 16, 2000; FG2A; DEFINITIVE PROTECTION; 867179

FINLAND (FI)

PATENT (Number; Kind; Date): Finland (FI) 935,847; A; June 25, 1994

TITLE: L-DOPA-ESTERKOMPOSITIONER-DOPA-ESTERIKOOSTUMUKSET

INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): Finland (FI) 1993935847; A; December 23, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Finland (FI) 107,994; B1; November 15, 2001

TITLE: MENETELMAE L-DOPA:N ETYYLIESTERIAE SISAELTAEVAEN KOOSTUMUKSEN
VALMISTAMISEKSI FOER FRAMSTAELLNING AV EN SAMMANSÄTTNING INNEHAÄLLANDE EN
L-DOPA-ETYLESTER

INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE,
Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): Finland (FI) 1993935847; A; December 23, 1993

INT-CL: A61P25/16 (Section A, Class 61, Sub-class P, Group 25, Sub-group 16)

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

GREECE (GR)

PATENT (Number; Kind; Date): Greece (GR) 3,030,073; T3; July 30, 1999

INVENTOR: MILMAN ISAAC, Iceland (IS); VEINBERG ALEXANDER, Iceland (IS); ATLAS
DAPHNE, Iceland (IS); MELAMED ELDAD, Iceland (IS)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): Greece (GR) 1999400495; A; April 28, 1999

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DERWENT NUMBER: C94-249594; C97-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

HONG KONG (HK)

PATENT (Number; Kind; Date): Hong Kong (HK) 1,012,577; A1; June 30, 2000

TITLE: COMPOSITION OF L-DOPA ESTERS

INVENTOR: MILMAN ISAAC; VEINBERG ALEXANDER; ATLAS DAPHNE; MELAMED ELDAD

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): Hong Kong (HK) 199898114031; A; December 18,
1998

INT-CL: A61K (Section A, Class 61, Sub-class K)

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

HUNGARY (HU)

PATENT (Number; Kind; Date): Hungary (HU) 68,498; A2; June 28, 1995

TITLE: L-DOPA ESTER COMPOSITIONS AND PROCESS TO PREPARE THEM

INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE,
Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: YISSUM RES DEV CO, Israel (IL); TEVA PHARMA, Israel (IL)
APPLICATION (Number; Kind; Date): Hungary (HU) 19939303748; A; December 23, 1993
INT-CL: A61K31/24 (Section A, Class 61, Sub-class K, Group 31, Sub-group 24)
DERWENT NUMBER: C94-249594
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q

PATENT (Number; Kind; Date): Hungary (HU) 9,303,748; A0; April 28, 1994

TITLE: COMPOSITION OF L-DOPA-ESTERS
INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMACEUTICAL IND LTD SC, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Hungary (HU) 19939303748; A; December 23, 1993
DERWENT NUMBER: C94-249594
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q

PATENT (Number; Kind; Date): Hungary (HU) 218,906; B; December 28, 2000

TITLE: NON-HYGROSCOPIC, CRYSTALLINE L-DOPA ETHYLESTER, PHARMACEUTICAL COMPOSITIONS CONTG. IT AND PROCESS TO PREPARE THEM
INVENTOR: ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL); MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
APPLICATION (Number; Kind; Date): Hungary (HU) 19939303748; A; December 23, 1993
INT-CL: A61P25/16 (Section A, Class 61, Sub-class P, Group 25, Sub-group 16)
DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

HUNGARY (HU)

Legal Status (Number; Type; Date; Code; Text):

HU 218,906; H; December 28, 2000; HFG4; PATENT GRANTED, DATE OF GRANTING; 20001113

ISRAEL (IL)

PATENT (Number; Kind; Date): Israel (IL) 108,147; A0; April 12, 1994

TITLE: COMPOSITIONS OF L-DOPA ESTERS
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA; YISSUM RES DEV CO
APPLICATION (Number; Kind; Date): Israel (IL) 1993108147; A; December 22, 1993
INT-CL: A61K (Section A, Class 61, Sub-class K)
DERWENT NUMBER: C94-249594; C97-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Israel (IL) 108,147; A1; September 24, 1998

TITLE: COMPOSITIONS OF THE ETHYL ESTER OF L-DOPA AND THEIR PREPARATION
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Israel (IL) 1993108147; A; December 22, 1993
INT-CL: C07C229/22 (Section C, Class 07, Sub-class C, Group 229, Sub-group 22)
DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

JAPAN (JP)

PATENT (Number; Kind; Date): Japan (JP) 7,285,860; A2; October 31, 1995

TITLE: COMPOSITION OF L-DOPA ESTER
INVENTOR: AIZATSUKU MIRUMAN; AREKUSANDAA BEINBERUGU; DAFUN ATORASU;
ERUDADO MERAMEDO
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMACEUT IND LTD; YISSUM RES DEV CO
APPLICATION (Number; Kind; Date): Japan (JP) 1993328941; A; December 24, 1993
INT-CL: C07C229/36 (Section C, Class 07, Sub-class C, Group 229, Sub-group 36)
DERWENT NUMBER: C94-249594
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q

LATVIA (LV)

PATENT (Number; Kind; Date): Latvia (LV) 12,766; B; March 20, 2002

TITLE: COMPOSITION OF L-DOPA ESTERS
INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER,
Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Latvia (LV) 200120010124; A; August 21, 2001
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H
ABST:

Invention relates to pharmaceutical preparations for the treatment of patients suffering from Parkinson's disease and related indications. This preparation comprises highly purified, stable, non-hygroscopic, crystalline composition of L-DOPA ethyl ester. The content of L-DOPA ethyl ester as free base is in amount which is at least 97% by weight of the composition and the content of L-DOPA is less than 1% by weight of the composition.

PATENT (Number; Kind; Date): Latvia (LV) 12,766; A; December 20, 2001

TITLE: COMPOSITION OF L-DOPA ESTERS
INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER,
Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Latvia (LV) 200120010124; A; August 21, 2001
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

NORWAY (NO)

PATENT (Number; Kind; Date): Norway (NO) 934,768; A; June 27, 1994

TITLE: SAMMENSETNING AV L-DOPA-ESTERE
INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Norway (NO) 1993934768; A; December 22, 1993
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C94-249594

PATENT (Number; Kind; Date): Norway (NO) 934,768; A0; December 22, 1993

TITLE: SAMMENSETNING AV L-DOPA-ESTERE
INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Norway (NO) 1993934768; A; December 22, 1993
INT-CL: A61K (Section A, Class 61, Sub-class K)
DERWENT NUMBER: C94-249594

PATENT (Number; Kind; Date): Norway (NO) 305,932; B1; August 23, 1999

TITLE: FARMASOEYTISK AKSEPTABEL L-DOPA-ETYLESTERBASE, ET FARMASOEYTISK PREPARAT INNNEHOLDENDE BASE, EN FREMGANGSMAATE FOR FREMSTILLING AV PREPARATET SAMT L-DOPA-ETYLESTEREN
INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)
APPLICATION (Number; Kind; Date): Norway (NO) 1993934768; A; December 22, 1993
INT-CL: A61K31/215 (Section A, Class 61, Sub-class K, Group 31, Sub-group 215)
DERWENT NUMBER: C94-249594; C97-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

NEW ZEALAND (NZ)

PATENT (Number; Kind; Date): New Zealand (NZ) 250,541; A; December 21, 1995

TITLE: COMPOSITION COMPRISING CRYSTALLINE, NON-HYGROSCOPIC L-DOPA ETHYL ESTER
INVENTOR: MILMAN ISSAC; VEINBERG ALEXANDER; MELAMED ELDAD
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA; YISSUM RES DEV CO
APPLICATION (Number; Kind; Date): New Zealand (NZ) 1993250541; A; December 21, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C94-249594
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q

PORTUGAL (PT)

PATENT (Number; Kind; Date): Portugal (PT) 867,179; T; December 29, 2000

TITLE: COMPOSICAO DE ESTERES DE L-DOPA
INVENTOR: MELAMED ELDAD, Israel (IL); ATLAS DAPHNE, Israel (IL); MILMAN ISAAC, Iceland (IS); VEINBERG ALEXANDER, Iceland (IS)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: YISSUM RES DEV CO, Israel (IL); TEVA PHARMA, Israel (IL)
APPLICATION (Number; Kind; Date): Portugal (PT) 199898101741; A; December 24, 1993
INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)
DERWENT NUMBER: C1994-249594; C1997-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

SOUTH AFRICA (ZA)

PATENT (Number; Kind; Date): South Africa (ZA) 9,309,573; A; August 11, 1994

TITLE: COMPOSITIONS OF L-DOPA ESTERS.
INVENTOR: MILMAN ISAAC; VEINBERG ALEXANDER; ATLAS DAPHNE; MELAMED ELDAD
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: TEVA PHARMA; YISSUM RES DEV CO
APPLICATION (Number; Kind; Date): South Africa (ZA) 19939309573; A; December 21, 1993
INT-CL: A61K (Section A, Class 61, Sub-class K)
DERWENT NUMBER: C94-249594
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q

UNITED STATES OF AMERICA (US)

PATENT (Number; Kind; Date): United States of America (US) 5,354,885; A; October 11, 1994

TITLE: PROCESS FOR PREPARING ETHYL ESTER OF L-DOPA
INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL)
PRIORITY (Number; Kind; Date):
United States of America (US) 1992-995847; A; December 24, 1992
PATENT ASSIGNEE: YISSUM RES DEV CO, Israel (IL); TEVA PHARMA, Israel (IL)
APPLICATION (Number; Kind; Date): United States of America (US) 1992995847; A; December 24, 1992
INT-CL: A61K31/135 (Section A, Class 61, Sub-class K, Group 31, Sub-group 135)
NAT-CL: 560 43; X514567; X514649; X562433; X562445; X560 45
EURO-CL: A61K31/195; A61K31/215+M
DERWENT NUMBER: C94-249594; C97-164536
CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H
ABST:
A composition which comprises a pharmaceutically acceptable carrier and an active ingredient, such active ingredient comprising L-DOPA ethyl ester in an amount which is at least 97%, by weight, of the active ingredient, and L-DOPA in an amount which is less than

1% by weight of such active ingredient is provided by this invention. This invention also provides a process for preparing such a composition. Further, this invention provides a method of treating a patient suffering from Parkinson's disease which comprises administering to a patient a pharmaceutical composition comprising a therapeutically effective amount of L-DOPA ethyl ester and a pharmaceutically acceptable carrier.

PATENT (Number; Kind; Date): United States of America (US) 5,525,631; A; June 11, 1996

TITLE: Compositions of the ethyl ester of L-DOPA

INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

United States of America (US) 1994-276196; A; July 18, 1994

United States of America (US) 1992-995847; A1; December 24, 1992

PATENT ASSIGNEE: YISSUM RES DEV CO, Israel (IL); TEVA PHARMA, Israel (IL)

APPLICATION (Number; Kind; Date): United States of America (US) 1994276196; A; July 18, 1994

INT-CL: C07C229/00 (Section C, Class 07, Sub-class C, Group 229, Sub-group 00)

NAT-CL: 514567; X514649; X514654; X560 43; X560 45; X562433; X562445

EURO-CL: A61K31/195; A61K31/215+M

DERWENT NUMBER: C94-249594; C97-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

ABST:

A composition which comprises a pharmaceutically acceptable carrier and an active ingredient, such active ingredient comprising L-DOPA ethyl ester derived from its crystalline form in an amount which is at least 97%, by weight, of the active ingredient, and L-DOPA in an amount which is less than 1% by weight of such active ingredient is provided by this invention. This invention also provides a process for preparing such a composition. Further, this invention provides a method of treating a patient suffering from Parkinson's disease which comprises administering to a patient a pharmaceutical composition comprising a therapeutically effective amount of L-DOPA ethyl ester derived from its crystalline form and a pharmaceutically acceptable carrier.

PATENT (Number; Kind; Date): United States of America (US) 5,607,969; A; March 04, 1997

TITLE: L-DOPA ETHYL ESTER TO TREAT PARKINSON'S DISEASE

INVENTOR: MILMAN ISAAC, Israel (IL); VEINBERG ALEXANDER, Israel (IL); ATLAS DAPHNE, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

United States of America (US) 1995-442888; A; May 17, 1995

United States of America (US) 1994-276196; A2; July 18, 1994

United States of America (US) 1992-995847; A1; December 24, 1992

PATENT ASSIGNEE: YISSUM RES DEV CO, Israel (IL); TEVA PHARMA, Israel (IL)

APPLICATION (Number; Kind; Date): United States of America (US) 1995442888; A; May 17, 1995

INT-CL: A61K31/24 (Section A, Class 61, Sub-class K, Group 31, Sub-group 24)

NAT-CL: 514538

EURO-CL: A61K31/195; A61K31/215+M

DERWENT NUMBER: C94-249594; C97-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

ABST:

Patients suffering from Parkinson's disease are treated by administering a composition which contains an active ingredient and a pharmaceutically acceptable carrier. The active ingredient comprises L-DOPA ethyl ester in an amount which is at least 97% by weight of the active ingredient and L-DOPA in an amount which is less than 1% by weight of the active

ingredient.

UNITED STATES OF AMERICA (US)

Legal Status (Number; Type; Date; Code; Text):

US 5,354,885; P; December 24, 1992; AE; APPLICATION DATA (PATENT); United States of America (US) 1992995847 December 24, 1992; A

US 5,354,885; P; October 11, 1994; A; PATENT

US 5,354,885; P; December 24, 1992; AE; APPLICATION DATA (PATENT); United States of America (US) 1992995847 December 24, 1992; A

US 5,354,885; P; October 11, 1994; A; PATENT

US 5,354,885; P; March 07, 1994; AS02; USAS02; YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM 36 JAB * MILMAN, ISAAC : 19940203; VEINBERG, ALEXANDER : 19940203; ATLAS, DAPHNE : 19940203; MELAMED, ELDAD : 19940203

US 5,525,631; P; December 24, 1992; AA; USAAA1; United States of America (US) 1992995847 December 24, 1992; A1

US 5,525,631; P; July 18, 1994; AE; APPLICATION DATA (PATENT); United States of America (US) 1994276196 July 18, 1994; A

US 5,525,631; P; June 11, 1996; A; PATENT


US 5,607,969; P; December 24, 1992; AA; USAAA1; United States of America (US) 1992995847 December 24, 1992; A1

US 5,607,969; P; July 18, 1994; AA; USAAA2; United States of America (US) 1994276196 July 18, 1994; A2

US 5,607,969; P; May 17, 1995; AE; APPLICATION DATA (PATENT); United States of America (US) 1995442888 May 17, 1995; A

US 5,607,969; P; March 04, 1997; A; PATENT

US 5,607,969; P; July 28, 1995; AS02; USAS02; YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM 36 JAB * MILMAN, ISAAC : 19950628; VEINBERG, ALEXANDER : 19950628; ATLAS, DAPHNE : 19950628; MELAMED, ELDAD : 19950628

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Norway (NO) 934,768; A0; December 22, 1993

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BASIC-PATENT:

Norway (NO) 934,768; A0; December 22, 1993

PATENT FAMILY

Number of Patents: 41

AUSTRIA (AT)

PATENT (Number; Kind; Date): Austria (AT) 178,793; E; April 15, 1999

TITLE: L-DOPA ESTER-ENTHALTENDE ZUSAMMENSETZUNG

INVENTOR: MILMAN ISAAC, Iceland (IS); VEINBERG ALEXANDER, Iceland (IS); ATLAS DAPHNE, Iceland (IS); MELAMED ELDAD, Iceland (IS)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): Austria (AT) 199393120894; EP; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

PATENT (Number; Kind; Date): Austria (AT) 196,081; E; September 15, 2000

TITLE: L-DOPA ESTER ENTHALTENDE ZUSAMMENSETZUNG

INVENTOR: MILMAN ISAAC, Israel (IL); ATLAS DAPHNE, Israel (IL); VEINBERG ALEXANDER, Israel (IL); MELAMED ELDAD, Israel (IL)

PRIORITY (Number; Kind; Date):

United States of America (US) 1992-995847; A; December 24, 1992

PATENT ASSIGNEE: TEVA PHARMA, Israel (IL); YISSUM RES DEV CO, Israel (IL)

APPLICATION (Number; Kind; Date): Austria (AT) 199898101741; EP; December 24, 1993

INT-CL: A61K31/195 (Section A, Class 61, Sub-class K, Group 31, Sub-group 195)

DERWENT NUMBER: C1994-249594; C1997-164536

CHEMICAL ABSTRACT NUMBER: 121(24)286598Q; 126(18)242888H

AUSTRIA (AT)

Legal Status (Number; Type; Date; Code; Text):

AT 196,081; P; December 15, 1968; ELJ; -(Negative Treatment) CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE

AUSTRALIA (AU)

PATENT (Number; Kind; Date): Australia (AU) 684,053; B2; December 04, 1997

TITLE: COMPOSITIONS OF L-DOPA ESTERS